

**Izembek NWR Land Exchange/Road Corridor**  
**Summary of Impacts to Plants and Wildlife in Alternatives 2 and 3**

April 25, 2017

<b>Species/Category</b>	<b>Effects</b>	<b>Alternative 2 – South Route</b>	<b>Alternative 3 – Central Route</b>
Plant Communities	Overall	Loss of ~107 acres Moderate	Loss of ~100 acres Moderate
	Cumulative	Moderate	Moderate
Wetlands	Overall	Construct 162 drainage structures Moderate	Construct 173 drainage structures Moderate
	Cumulative	Moderate	Moderate
Fish/Fish Habitat	Overall	8 stream crossings Major	2 stream crossings Major
	Cumulative	Major	Major
Bears	Overall	Major	Major
	Cumulative	Major	Major
Caribou	Overall	If migration is interrupted-Major	Greater than Alt 2 because of migration patterns-Major
	Cumulative	If migration is interrupted-Major	If migration is interrupted-Major
Marine Mammals	Overall	Negligible to Minor	Negligible to Minor
	Cumulative	Negligible to Minor	Negligible to Minor
T&E Overall	Overall	Minor	Moderate to Minor
	Cumulative	Minor	Moderate to Minor
Steller's Eiders	Overall	Moderate	Moderate
	Cumulative	Moderate	Moderate
Yellow-billed Loon	Overall	Minor	Minor
	Cumulative	Minor	Minor
Seller's Sea Lion	Overall	No Effect	No Effect
	Cumulative	No Effect	No Effect
Sea Otter	Overall	Minor	Minor
	Cumulative	Minor	Minor
Kittlitz's Murrelet	Overall	Minor	Minor
	Cumulative	Minor	Minor
Tundra Swans	Overall	Major	Major
	Cumulative	Major	Major
Brant	Overall	Major	Major

	Cumulative	Major	Major
Emperor Geese	Overall	Major	Major
	Cumulative	Major	Major
Other breeding birds, migrating	Overall	Moderate	Moderate
	Cumulative	Moderate	Moderate
Seabirds	Overall	Minor	Minor
	Cumulative	Minor	Minor

Conclusion: the overall and cumulative impacts to plants and wildlife are so similar between Alternative 2 and Alternative 3 that there is no clear distinction as to which Alternative would be the most harmful.